

DEPARTMENT OF THE NAVY NAVAL SUPPORT ACTIVITY WASHINGTON 1411 PARSONS AVENUE SE STE 340 WASHINGTON NAVY YARD, DC 20374-5034

5090 Ser N4/ 283 9 Nov 17

Ms. Karen Crumlish Chief, Drinking Water Branch (3WP21) EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029

Dear Ms. Crumlish:

SUBJECT: REVISED TOTAL COLIFORM REPORT, WASHINGTON NAVY YARD

Enclosed is the Revised Total Coliform Report for the monitoring period October 2017 at the Washington Navy Yard.

Buildings 166 and 218 returned positive readings for total coliforms but were negative for E. coli for the October 18th sampling event. PWD notified the EPA within 24 hours of receiving the positive results. Repeat sampling was conducted according to the Washington Navy Yard Revised Total Coliform Rule Sampling Plan on October 20, 2017. Each of the six repeat samples were negative for both total coliforms and E. coli.

We are conducting a Level 1 Assessment as required by the Revised Total Coliform Rule and will transmit the findings by November 18, 2017.

If you have any questions or require further information, please contact Mr. Dane Bowker, Public Works Department Drinking Water Program Manager at 202-433-4191or email: dane.bowker@navy.mil.

Sincerely,

J. J. DRAEGER Captain, U.S. Navy Commanding Officer

Enclosures: 1. Total Coliform Report

2. Certificate of Analysis

Washington Navy Yard

PWS: DC0000003

October Sampling Report

First Half Total Samples: 21
Sample Date: 10/4/2017 Total Samples Negative: 19

Total Samples Negative: 19
Total Samples Positive: 2

Second Half

Sample Date: 10/18/2017 Repeat Sample Date: 10/20/2017

Sample Number	Sample Point	Sample Point Name	Collector Name	Compliance	Sample Colle	ction	Lab	Lab Analysis		Sample	Total	Free	рН	Te	emp (C)	Total	E.
	Identifier			Indicator			Received			Comments	Chlorine	Chlorine				Coliform	Coliform
											Residual	Residual				Analysis	Analysis
					Date	Time	Date	Date	Time		Value	Value				Result	Result
											(mg/L)	(mg/L)					
17J0458-01	B184*	BLDG 184	Guyan Kularthne	Υ	10/4/2017	805	10/4/2017	10/5/2017	1150		0.13			7.81	22.9	N	N
17J0458-02	B211	BLDG 211	Guyan Kularthne	Υ	10/4/2017	831	10/4/2017	10/5/2017	1150		2.70			7.91	21.8	N	N
17J0458-03	B123	BLDG 123	Guyan Kularthne	Υ	10/4/2017	851	10/4/2017	10/5/2017	1150		2.10			7.86	22.3	N	N
17J0458-04	B111	BLDG 111	Guyan Kularthne	Υ	10/4/2017	915	10/4/2017	10/5/2017	1150		3.50			7.89	22.4	N	N
17J0458-05	B105	BLDG 105	Guyan Kularthne	Υ	10/4/2017	1005	10/4/2017	10/5/2017	1150		3.20			7.91	22.6	N	N
17J0458-06	B22	BLDG 22	Guyan Kularthne	Υ	10/4/2017	941	10/4/2017	10/5/2017	1150		3.40			7.89	22.5	N	N
17J0458-07	B208	BLDG 208	Guyan Kularthne	Υ	10/4/2017	1039	10/4/2017	10/5/2017	1150		3.50			7.90	23.4	N	N
17J1119-01	B33	BLDG 33	Guyan Kularthne	Υ	10/18/2017	930	10/18/2017	10/19/2017	1145		3.50			7.98	21.2	N	N
17J1119-02	B122	BLDG 122	Guyan Kularthne	Υ	10/18/2017	1025	10/18/2017	10/19/2017	1145		3.10			7.94	21.1	N	N
17J1119-03	B166	BLDG 166	Guyan Kularthne	Υ	10/18/2017	802	10/18/2017	10/19/2017	1145		2.90			7.78	21.3	Р	N
17J1119-04	B220	BLDG 220	Guyan Kularthne	Υ	10/18/2017	1122	10/18/2017	10/19/2017	1145		1.53			7.96	23.2	N	N
17J1119-05	B118	BLDG 118	Guyan Kularthne	Υ	10/18/2017	957	10/18/2017	10/19/2017	1145		2.70			7.90	21.5	N	N
17J1119-06	B175	BLDG 175	Guyan Kularthne	Υ	10/18/2017	1053	10/18/2017	10/19/2017	1145		0.54			7.77	21.8	N	N
17J1119-07	B212	BLDG 212	Guyan Kularthne	Υ	10/18/2017	855	10/18/2017	10/19/2017	1145		2.80			7.93	21.7	N	N
17J1119-08	B218	BLDG 218	Guyan Kularthne	Υ	10/18/2017	829	10/18/2017	10/19/2017	1145		2.60			7.99	23.5	Р	N
17J1227-01	WNY-166	BLDG 166	Guyan Kularthne	Υ	10/20/2017	848	10/20/2017	10/21/2017	1015		3.10			7.90	21.4	N	N
17J1227-02	WNY-184-UR166	BLDG 184	Guyan Kularthne	Υ	10/20/2017	821	10/20/2017	10/21/2017	1015		0.12			7.90	22.0	N	N
17J1227-03	WNY-211-DR166	BLDG 211	Guyan Kularthne	Υ	10/20/2017	950	10/20/2017	10/21/2017	1015		3.10			7.93	21.8	N	N
17J1227-04	WNY-218	BLDG 218	Guyan Kularthne	Υ	10/20/2017	925	10/20/2017	10/21/2017	1016		3.00			7.97	23.2	N	N
17J1227-05	WNY-405-UR218	BLDG 405	Guyan Kularthne	Υ	10/20/2017	1025	10/20/2017	10/21/2017	1015		3.20			7.96	22.0	N	N
17J1227-06	WNY-212-DR218	BLDG 212	Guyan Kularthne	Υ	10/20/2017	1050	10/20/2017	10/21/2017	1017		2.80			7.90	21.8	N	N
			-														

^{*} HPC performed at BLDG 184 due to low chlorine, HPC returned a value of 29.



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COVER LETTER

Kosala De Silva Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

RE: WNY

October 09, 2017 Report No.: 17J0458

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 10/04/2017 12:55.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Mefanie C Dropp Ki 10/9/2017

Final report reviewed by:

Melanie C. Duszynski For Coretta S. Davis/Project Manager

Report issue date

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Melanie C. Duszynski For Coretta S. Davis/Project Manager at 410-633-1800. You may also contact Trevor Boyce, President at revor.boyce@microbac.com. Any complaint about the quality of reported results may be referred to the accrediting authority if such complaints cannot be resolved directly with the customer.



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 1511-223
Project Manager: Kosala De Silva

Report: 17J0458

Reported: 10/09/2017 13:33

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Туре	Date Sampled	Date Received
WNY-184	17J0458-01	Drinking Water	Grab	10/04/2017 08:05	10/04/2017 12:55
WNY-211	17J0458-02	Drinking Water	Grab	10/04/2017 08:31	10/04/2017 12:55
WNY-123	17J0458-03	Drinking Water	Grab	10/04/2017 08:51	10/04/2017 12:55
WNY-111	17J0458-04	Drinking Water	Grab	10/04/2017 09:15	10/04/2017 12:55
WNY-105	17J0458-05	Drinking Water	Grab	10/04/2017 10:05	10/04/2017 12:55
WNY-22	17J0458-06	Drinking Water	Grab	10/04/2017 09:41	10/04/2017 12:55
WNY-208	17J0458-07	Drinking Water	Grab	10/04/2017 10:39	10/04/2017 12:55

Microbac Laboratories, Inc. - Baltimore

Mefanie C Dusypki

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Melanie C. Duszynski For Coretta S. Davis, Project Manager

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 1511-223

Report: 17J0458

Reported: 10/09/2017 13:33

Project Manager: Kosala De Silva

WNY-184

17J0458-01 (Drinking Water) Sampled: 10/04/2017 08:05; Type: Grab

				Reporting						
Analyte			Result	Limit	Units	Limits Prepared	Analyzed	Analyst	Method	Notes
Field Analysis										
Analyst:	NA	pH:	7.81	Flow (g/min):	NA	Res. Cl (mg/L):	0.13	GW Elev.(ft):	NA	
Temp. (C):	22.9	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond. (umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity (ppt):	NA	Ambient Tem	p. (°C):	NA
Microbiology				Microba	ac Laborator	ies, Inc Baltimore				

Microbiology									
Coliform, Total	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18	
E. Coli	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18	
Heterotrophic Plate Count	29	1.0	CFU/ml	500	100417 1453	100617 1445	EMS	SM 9215 B	

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

Project: WNY Project Number: 1511-223 Project Manager: Kosala De Silva

17J0458 Report:

Reported: 10/09/2017 13:33

WNY-211

17J0458-02 (Drinking Water) Sampled: 10/04/2017 08:31; Type: Grab

Analyte			Result	Reporting Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis	<u> </u>										
Analyst:	NA	pH:	7.91	Flow (g/min):	NA	Res. Cl	(mg/L):	2.7	GW Elev.(ft): NA	
Temp. (C):	21.8	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Ter	np. (°C):	NA
				Microba	ac Laborator	ies, Inc B	altimore				
Microbiology											
Coliform Tot	al	,	Vogativa		ner 100ml	1.0	100417 1408	100517 1150	FMS S	M 9223B Colilert-	18

Microbiology							
Coliform, Total	Negative	per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18
E. Coli	Negative	per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 1511-223

Report: 17J0458

Reported: 10/09/2017 13:33

Project Manager: Kosala De Silva

WNY-123

17J0458-03 (Drinking Water) Sampled: 10/04/2017 08:51; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.86	Flow (g/min):	NA	Res. C	Cl (mg/L):	2.1	GW Elev.(1	ft): NA	
Temp. (C):	22.3	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient To	emp. (°C):	NA
				Microba	ac Laboratorio	es, Inc I	Baltimore				
Microbiology											
Coliform, Tota	l	1	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-1	8
E. Coli		1	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-13	8

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 1511-223

Report: 17J0458

Reported: 10/09/2017 13:33

Project Manager: Kosala De Silva

WNY-111

17J0458-04 (Drinking Water) Sampled: 10/04/2017 09:15; Type: Grab

			•	Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.89	Flow (g/min):	NA	Res. C	Cl (mg/L):	3.5	GW Elev.((ft): NA	
Temp. (C):	22.4	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient T	Temp. (°C):	NA
				Microba	ıc Laboratori	es, Inc F	Baltimore				
Microbiology											
Coliform, Tota	al	I	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18	8
E. Coli		1	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18	8

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Mefanie C Dusypki

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 1511-223
Project Manager: Kosala De Silva

Report: 17J0458

Reported: 10/09/2017 13:33

WNY-105

17J0458-05 (Drinking Water) Sampled: 10/04/2017 10:05; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.91	Flow (g/min):	NA	Res. C	Cl (mg/L):	3.2	GW Elev.(ft): NA	
Temp. (C):	22.6	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient T	Cemp. (°C):	NA
				Microba	ıc Laboratori	es, Inc F	Baltimore				
Microbiology											
Coliform, Tota	al	Ī	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18	;
E. Coli		Ī	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18	:

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

Project: WNY Project Number: 1511-223

17J0458 Report:

Reported: 10/09/2017 13:33

Project Manager: Kosala De Silva

WNY-22

17J0458-06 (Drinking Water) Sampled: 10/04/2017 09:41; Type: Grab

				Reporting								
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Note	:S
Field Analysis												
Analyst:	NA	pH:	7.89	Flow (g/min):	NA	Res. Cl (mg/L):	3.4	GW Elev.(ft):	NA		
Temp. (C):	22.5	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond. (u	mhos/cm):	NA	LEL (%):	NA		
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Temp	. (°C):	NA	
				Microba	nc Laborator	ies, Inc Bal	ltimore					

MIC	rop	<u> 1010</u>	<u>igy</u>	

Coliform, Total	Negative	per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18
E. Coli	Negative	per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-18

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 1511-223
Project Manager: Kosala De Silva

Report: 17J0458

Reported: 10/09/2017 13:33

WNY-208

17J0458-07 (Drinking Water) Sampled: 10/04/2017 10:39; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	рН:	7.90	Flow (g/min):	NA	Res. (Cl (mg/L):	3.5	GW Elev.(ft): NA	
Temp. (C):	23.4	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond	. (umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient T	emp. (°C):	NA
				Microba	ac Laboratori	es, Inc l	Baltimore				
Microbiology											
Coliform, Tota	al	I	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-1	8
E. Coli		Ī	Negative		per 100ml	1.0	100417 1408	100517 1150	EMS	SM 9223B Colilert-1	8

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc Project: WNY Report: 17J0458
9220 Rumsey Rd., Bay # 5 Project Number: 1511-223 Reported: 10/09/2017 13:33
Columbia, MD 21045 Project Manager: Kosala De Silva

Project Requested Certification(s):

A2LA (Biology) A2LA (Environmental) Florida - NELAC

State of Maryland (Drinking Water)

Analyte Certification Exception Summary

No certification exceptions

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
Microbac La	boratories, Inc Baltimore		
A2LA1	A2LA (Biology)	410.02	04/30/2019
A2LA2	A2LA (Environmental)	410.01	04/30/2019
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460285	03/14/2018
CPSC	CPSC Testing of Childrens Products and Jewelry	410.01	04/30/2019
Pb	Environmental Lead (ELLAP)	410.01	04/30/2019
FL	Florida - NELAC	E871126	06/30/2018
MD	State of Maryland (Drinking Water)	109	06/30/2018
WV	West Virginia	054	08/31/2018
 Microbac La	boratories, Inc Richmond		
VA-R	Commonwealth of Virginia (NELAC) - Richmond	460022	06/14/2018

Microbac Laboratories, Inc. - Baltimore

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Mefanie C Dusypki



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc Project: WNY Report: 17J0458

9220 Rumsey Rd., Bay # 5 Project Number: 1511-223
Columbia, MD 21045 Project Manager: Kosala De Silva

Reported: 10/09/2017 13:33

Qualifiers/Notes and Definitions

General Definitions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



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Cooler Receipt Log

Cooler ID: Default Cooler		Cooler Temp: 1.30°C Work Order: 17J0458
Custody Seals Intact:	Yes	COC/Containers Agree: Yes
Containers Intact:	Yes	Correct Preservation: Yes
Received On Ice:	Yes	Correct Number of Containers Received: Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing: Yes
COC Present:	Yes	Samples Received in Proper Condition: Yes

Comments:



Microbac Laboratories Inc., Baltimore Division MICROBAC* 2101 Van Deman St, Baltimore, MD 21224

Chain of Custody Record Tel: 410-633-1800 750408 www.microbac.com Compliance Project Information Turn Around Time Customer Standard Yes Inspection Experts Inc. Name: WNY Address: 9220 Rumsey Road, Bay #5 Number: 1511-223 Needed By: Agency: Columbia, MD 21045 PO: Contact Report Options QC Pacakge Sampler Level I Kosala De Silva EDD Name: Gayan Kularathne ○ Level II** 1 Number: 410-715-3939 Phone: 240-252-0841 Email kosala@ieinc.net ○ Level III** Fax Email: kosala@ieinc.net Cert ID: *** 0697GK ○ Level IV** Requested Analysis of Containers Chlorine (mg/ P/A SM9223B **Time Collected** SMANG Collected Composite Matrix*** HPC Grab Total DI Hd Comments Client Sample ID 22.9 WNY-184 DW X 10/04/17 × 7.81 0.13 0805 21.8 10/04/17 Х 7.91 2.7 WNY-211 DW X 0831 Χ 7.86 22.3 2.1 WNY-123 DW X 10/04/17 0851 7.89 22.4 3.5 WNY-111 DW X 10/04/17 0915 X 3.2 7.91 WNY-105 DW X 10/04/17 1005 Χ 22.6 3.4 7.89 22.5 WNY-22 DW X 10/04/17 0941 X 3.5 1039 23.4 WNY-208 DW X 10/04/17 X 7.90

Possible Hazard Identification] Hazardous [] Non-Hazardous	[] Radioactive Sample	Disposition [X] Dispos	se as appropriate [] Return [] Ar	chive
Number of Containers: 8 total	Sampled By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Cooler Number:	h	Gayan Kularathre III	10/04/17 1255	Muc (SA)	HOW illinger
Temp upon receipt(°C): \ . ろ C	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Sample Received on Ice or	,				
Refrigerated from Client (Yes)/ No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation
Radiation Scan Acceptable Yes / No	N/A the				
* Please notify lab prior to drop off.	ICIOU) 17	WHITE - ORIGINAL LAB	YELLOW - RECEIPT	Pag	ge 1 of 1 rev.121112

^{**} Surcharge May Apply to add'l QC Packages

WHITE - ORIGINAL LAB
*** Sampler certification ID needed for some agencies.

^{****} Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Solid (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Page 1 of

(MICROBAC.

Microbac Laboratories Inc., Baltimore Division

2101 Van Deman St, Baltimore, MD 21224 Tel: 410-633-1800

www.microbac.com

Chain of Custody Record

Customer Customer				- Proj	et Inf	Project Information			TuT.	n Arour	Turn Around Time		- Comp	Compliance		_
Name: Inspection Experts Inc.	s Inc.				Vame	Name: WNY			•	Standard	\bigcirc	RUSH*	O Yes	Yes O No		
Address: 9220 Rumsey Road, Bay #5	ad, Bay #5			Ŋ	ımber.	Number: 1511-223			Ne	Needed By:	.'		Agency:	<i>Y:</i>		
Columbia, MD 21045	045				PO											
Contact				- Sampler	pler 1				_ Re	Report Options	tions			T OC Pacakae		
Name: Kosala De Silva					Vame.	Name: Gayan Kularathne	ne			EDD				• Level I	1	
Number: 410-715-3939				4	hone	Phone: 240-252-0841			>	Email	kosala@ieinc.net	nc.net		○ Level II**	7J0	
Email: kosala@ieinc.net			\neg	Cert	/D:**	Cert ID:*** 0697GK				Fax					458	
		L	L	L	L					1	Requested Analysis	nalysis		C Level IV**		
		*		91		betted	bettel	eneniatno 	8 5466 V M 95238				J\gm) ənir			
Client Sample ID	Q	***Xi13EM	Grab	isoqmoO	Filtered	llo3 etsQ	loO əmiT	No. of Co	S A/9 OT	> 411	Hq	(၁°) qmaT	oldO latoT	Comments	ents	
WNY-184		DW	×			10/04/17	9805	1	×		18. L	22.9	0.13			_
WNY-211		DW	×			10/04/17	0831	_	×		19.7	21.8	2.7			
NNY-123		DW	× >			10/04/17	0851	_	×		7.86	22.3	2.1			
WNY-111		DW	×			10/04/17	2160	-	×		7.89	22.4	3.5			
WNY-105		MQ	×			10/04/17	1005	-	×		19.7	22.6	3.2			
WNY-22		DW	×			10/04/17	1460	_	×		7.89	22.5	3.4			
WNY-208		DW	×			10/04/17	1039	-	×		7.90	23.4	3.5			_
		4	\dashv	4				1	\dashv	4						
			4	\dashv				\dashv	\dashv	4						
Possible Hazard Identification	[] Hazardous] s	Non] Non-Hazardous	snop	[] Radioactive	Sam	ple Dis	Sample Disposition		[X] Dispose as appropriate	ppropriate	[] Return	[] Archive		
Number of Containers: A +0+0(Sampled By (signature)	Hof Sampled	By (§	ignat	(eune		Printed Name/Affiliation	ation	Δ	Date/Time	•	Recei	Received By (signature)	nature	Printed Name/Affiliation	ation	MANAGE

YELLOW - RECEIPT 15/24 / 174..... Sampler certification ID needed for some agencies. ** Surcharge May Apply to add" QC Packages * Please notify lab prior to drop off.

Relinquished By (stgnature)

Relinquished By (signature)

Temp upon receipt(°C): 1.9 C

Cooler Number:

*** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Solid (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

BJF 1014/17e1330

Custody Record

Instructions for completing the Cha

rev.121112

1 of

Page

Printed Name/Affiliation

Received for Lab By (signature)

Date/Time

Received By (sign

1255

1年/0/0/19

radiation Scan Acceptable Yes / No

Sample Received on Ice or Refrigerated from Client (Yes) / No



Baltimore Division 2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800 Fax: 410-633-6553 www.microbac.com

October 19, 2017 Report No.: 17J1119

COVER LETTER

Kosala De Silva Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

RE: WNY

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 10/18/2017 13:05.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results

Final report reviewed by:

- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

10/19/2017

Coretta S. Davis/Project Manager

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Coretta S. Davis/Project Manager at 410-633-1800. You may also contact Trevor Boyce, President at trevor.boyce@microbac.com. Any complaint about the quality of reported results may be referred to the accrediting authority if such complaints cannot be resolved directly with the customer.

Report issue date



Baltimore Division

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Туре	Date Sampled	Date Received
WNY-33	17J1119-01	Drinking Water	Grab	10/18/2017 09:30	10/18/2017 13:05
WNY-122	17J1119-02	Drinking Water	Grab	10/18/2017 10:25	10/18/2017 13:05
WNY-166	17J1119-03	Drinking Water	Grab	10/18/2017 08:02	10/18/2017 13:05
WNY-220	17J1119-04	Drinking Water	Grab	10/18/2017 11:22	10/18/2017 13:05
WNY-118	17J1119-05	Drinking Water	Grab	10/18/2017 09:57	10/18/2017 13:05
WNY-175	17J1119-06	Drinking Water	Grab	10/18/2017 10:53	10/18/2017 13:05
WNY-212	17J1119-07	Drinking Water	Grab	10/18/2017 08:55	10/18/2017 13:05
WNY-218	17J1119-08	Drinking Water	Grab	10/18/2017 08:29	10/18/2017 13:05

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Coretta S. Davis, Project Manager Original Report Page 2 of 14



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

Project: WNY Project Number: 15-0011-214 Project Manager: Kosala De Silva Report: 17J1119

Reported: 10/19/2017 12:38

WNY-33

17J1119-01 (Drinking Water) Sampled: 10/18/2017 09:30; Type: Grab

Analyte			Result	Reporting Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
			Result	Ellillt	Cints	Limits	Trepared	7 mary 20a	Maryst	Wictiod	TVOICS
Field Analysis											
Analyst:	NA	pH:	7.98	Flow (g/min):	NA	Res. Cl	(mg/L):	3.5	GW Elev.(ft):	NA	
Temp. (C):	21.2	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond. (umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Tem	p. (°C):	NA
				Microba	nc Laboratori	ies, Inc Ba	ltimore				
Microbiology											

Microbiology							
Coliform, Total	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-18

SM 9223B Colilert-18 E. Coli per 100ml 101817 1545 101917 1145 BJP Negative 1.0

Microbac Laboratories, Inc. - Baltimore

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Page 3 of 14 Coretta S. Davis, Project Manager **Original Report**



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

WNY-122

17J1119-02 (Drinking Water) Sampled: 10/18/2017 10:25; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.94	Flow (g/min):	NA	Res. Cl	(mg/L):	3.1	GW Elev.(ft	: NA	
Temp. (C):	21.1	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Ter	np. (°C):	NA
				Microba	ac Laborator	ies, Inc B	altimore				
<u>Microbiology</u>											

Microbiology								
Coliform, Total	Negative	per 100ml	1.0	101817 1545	101917 1145	ВЈР	SM 9223B Colilert-18	
E. Coli	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-18	

Microbac Laboratories, Inc. - Baltimore

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Coretta S. Davis, Project Manager Original Report Page 4 of 14



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

Project: WNY Project Number: 15-0011-214 Project Manager: Kosala De Silva Report: 17J1119

Reported: 10/19/2017 12:38

WNY-166

17J1119-03 (Drinking Water) Sampled: 10/18/2017 08:02; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.78	Flow (g/min):	NA	Res. Cl	(mg/L):	2.9	GW Elev.(ft):	NA	
Temp. (C):	21.3	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Tem	p. (°C):	NA
Microbiology				Microba	ac Laboratori	ies, Inc B	altimore				

V	ici	(O	910	ole	ogy	V

Coliform, Total	Positive	per 100ml	1.0	101817 1545	101917 1145	ВЈР	SM 9223B Colilert-18
E Coli	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-18

Microbac Laboratories, Inc. - Baltimore

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Page 5 of 14 Coretta S. Davis, Project Manager **Original Report**



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

WNY-220

17J1119-04 (Drinking Water) Sampled: 10/18/2017 11:22; Type: Grab

Limit Units	Limits Prepared	Analyzed	Analyst	Method	Notes
(g/min): NA	Res. Cl (mg/L):	1.53	GW Elev.(ft):	NA	
(mg/L): NA	Cond. (umhos/cm):	NA	LEL (%):	NA	
(g/day): NA	Salinity (ppt):	NA	Ambient Temp	. (°C):	NA
	(mg/L): NA (g/day): NA	(mg/L): NA Cond. (umhos/cm):	(mg/L): NA Cond. (umhos/cm): NA (g/day): NA Salinity (ppt): NA	(mg/L): NA Cond. (umhos/cm): NA LEL (%): (g/day): NA Salinity (ppt): NA Ambient Temp	(mg/L): NA Cond. (umhos/cm): NA LEL (%): NA (g/day): NA Salinity (ppt): NA Ambient Temp. (°C):

THE OBTOTOLY								_
Coliform, Total	Negative	per 100ml	1.0	101817 1545	101917 1145	ВЈР	SM 9223B Colilert-18	
E. Coli	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-18	

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

WNY-118

17J1119-05 (Drinking Water) Sampled: 10/18/2017 09:57; Type: Grab

pH:	7.90	Flow (g/min):	NA	Res. Cl	(mg/L):	2.7	GW Elev.(ft):	NA	
Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond. (1	umhos/cm):	NA	LEL (%):	NA	
Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Temp	. (°C):	NA
	Turb. (ntu):	pH: 7.90 Turb. (ntu): NA Volume (L): NA	Turb. (ntu): NA D.O. (mg/L): Volume (L): NA Flow (g/day):	Turb. (ntu): NA D.O. (mg/L): NA Volume (L): NA Flow (g/day): NA	Turb. (ntu): NA D.O. (mg/L): NA Cond. (ntu): NA Flow (g/day): NA Salinity	Turb. (ntu): NA D.O. (mg/L): NA Cond. (umhos/cm):	Turb. (ntu): NA D.O. (mg/L): NA Cond. (umhos/cm): NA Volume (L): NA Flow (g/day): NA Salinity (ppt): NA	Turb. (ntu): NA D.O. (mg/L): NA Cond. (umhos/cm): NA LEL (%): Volume (L): NA Flow (g/day): NA Salinity (ppt): NA Ambient Temp	Turb. (ntu): NA D.O. (mg/L): NA Cond. (umhos/cm): NA LEL (%): NA Volume (L): NA Flow (g/day): NA Salinity (ppt): NA Ambient Temp. (°C):

Microbiology								
		100 1		1010151545	1010151145	D.ID	SM 9223B Colilert-18	
Coliform, Total	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Collien-18	
E. Coli	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-18	

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

WNY-175

17J1119-06 (Drinking Water) Sampled: 10/18/2017 10:53; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.77	Flow (g/min):	NA	Res. C	Cl (mg/L):	0.54	GW Elev.(f	t): NA	
Temp. (C):	21.8	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinit	ty (ppt):	NA	Ambient Te	mp. (°C):	NA
				Microba	ac Laboratorio	es, Inc B	Baltimore				
Microbiology											
Coliform, Tota	ıl	I	Negative		per 100ml	1.0	101817 1545	101917 1145	ВЈР	SM 9223B Colilert-1	8
E. Coli		Ī	Negative		per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-1	8

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

WNY-212

17J1119-07 (Drinking Water) Sampled: 10/18/2017 08:55; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	рН:	7.93	Flow (g/min):	NA	Res. C	Cl (mg/L):	2.8	GW Elev.(f	t): NA	
Temp. (C):	21.7	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient Te	emp. (°C):	NA
				Microba	ac Laboratori	es, Inc I	Baltimore				
Microbiology											
Coliform, Tota	l	1	Negative		per 100ml	1.0	101817 1545	101917 1145	ВЈР	SM 9223B Colilert-1	3
E. Coli		1	Negative		per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-1	3

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1119

Reported: 10/19/2017 12:38

WNY-218

17J1119-08 (Drinking Water) Sampled: 10/18/2017 08:29; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.99	Flow (g/min):	NA	Res. Cl	(mg/L):	2.6	GW Elev.(ft)	: NA	
Temp. (C):	23.5	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond. ((umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity	(ppt):	NA	Ambient Ten	np. (°C):	NA
Microbiology				Microba	ac Laborator	ies, Inc Ba	altimore				
MICTODIOIOGY											

THE OBTOING								_
Coliform, Total	Positive	per 100ml	1.0	101817 1545	101917 1145	ВЈР	SM 9223B Colilert-18	
E. Coli	Negative	per 100ml	1.0	101817 1545	101917 1145	BJP	SM 9223B Colilert-18	

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CERTIFICATE OF ANALYSIS

Inspection Experts, IncProject: WNYReport:17J11199220 Rumsey Rd., Bay # 5Project Number: 15-0011-214Reported:10/19/2017 12:38Columbia, MD 21045Project Manager: Kosala De Silva

Project Requested Certification(s):

A2LA (Biology) Florida - NELAC

State of Maryland (Drinking Water)

Analyte Certification Exception Summary

No certification exceptions

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
Microbac La	boratories, Inc Baltimore		
A2LA1	A2LA (Biology)	410.02	04/30/2019
A2LA2	A2LA (Environmental)	410.01	04/30/2019
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460285	03/14/2018
CPSC	CPSC Testing of Childrens Products and Jewelry	410.01	04/30/2019
Pb	Environmental Lead (ELLAP)	410.01	04/30/2019
FL	Florida - NELAC	E871126	06/30/2018
MD	State of Maryland (Drinking Water)	109	06/30/2018
WV	West Virginia	054	08/31/2018
Microbac La	boratories, Inc Richmond		
VA-R	Commonwealth of Virginia (NELAC) - Richmond	460022	06/14/2018

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CERTIFICATE OF ANALYSIS

 Inspection Experts, Inc
 Project: WNY
 Report: 17J1119

 9220 Rumsey Rd., Bay # 5
 Project Number: 15-0011-214
 Reported: 10/19/2017 12:38

9220 Rumsey Rd., Bay # 5 Project Number: 15-0011-214
Columbia, MD 21045 Project Manager: Kosala De Silva

Qualifians/Notes and Definitions

Qualifiers/Notes and Definitions

General Definitions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Baltimore Division

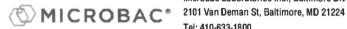
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800 Fax: 410-633-6553 www.microbac.com

Cooler Receipt Log

Cooler ID: Default Cooler		Cooler Temp: 0.70°C Work Order: 17J1119
Custody Seals Intact:	Yes	COC/Containers Agree: Yes
Containers Intact:	Yes	Correct Preservation: Yes
Received On Ice:	Yes	Correct Number of Containers Received: Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing: Yes
COC Present:	Yes	Samples Received in Proper Condition: Yes

Comments:



Microbac Laboratories Inc., Baltimore Division Tel: 410-633-1800

www.microbac.com

Chain of Custody Record

or comple	eting the Ch	nain of Custody	Record on back.
	Page	1 of	1
Com Agen	QC P	acakge evel I revel II** evel II**	17J1119
Temperature (°C)		Comm	nents
21.2			
21.1			
21.3			
23.2			
21.5			
21.8			
1.7			
23.5			
] Return	[] Arch	nive	
iture)		Printed Name/Affil	iation
TA	L	Such	Minson
ture)		Printed Name/Affil	

Customer		٦Г	Proje	ct Inf	ormation			. [Turn Arou	und Ti	me		— Г Com	pliance -		Г
Name: Inspection Experts Inc.		Ш	٨	lame:	WNY				Standard				0	Yes (○ No	
Address: 9220 Rumsey Road, Bay #5			Nu	mber:	15-0011-223				Needed By: Agenc				Agen	icy:		
Columbia, MD 21045	***************************************			PO:												
Contact		, ,	Samp	oler –				7	Report O	ptions				J L Q	C Pacakge	
Name: Kosala De Silva			٨	lame:	Gayan Kulara	thne			EDD							17.
Number: 410-715-3939			P	hone:	240-252-0841				✓ Email	kos	ala@iei	nc.net			Level II**	17,11119
Email: kosala@ieinc.net			Cert	ID:***	0697GK				Fax						Level III**	©
	$\overline{}$	·	_	Т			T			Requ	ested A	nalysis	der steer steer en	0	Level IV**	
asa 10/18/17					ted	sted	Containers	1 9223B					(0°)			
1456	Matrix***		Composite	red	Date Collected	Time Collected	of Cont	TC/EC P/A SM 9223B				CI (mg/L)	Temperature (°C)			
Client Sample ID	Matr	Grab	Con	Filtered	Date	<u>i</u>	No.	TC/E(H	Total	Lemp		Comm	ients —
WNY-33	DW	Х			10/18/17	0930	1	Х		17	.98	3.5	21.2			
WNY-122	DW	Х			10/18/17	1025	1	Х		+-	.94	3.1	21.1			
WNY-166	DW	Х			10/18/17	0802	1	Х		_	.78	2.9	21.3			
WNY-220	DW	Х			10/18/17	1122	1	Х		17	.96	1.53				
WNY-118	DW	Х			10/18/17	0957	1	Х		7	90	2.7	21.5			
WNY-175	DW	Х			10/18/17	1053	1	Х		7	.77	0.54	21.8			
WNY-212	DW	Х			10/18/17	0855	1	Х		7	93	2.8	21.7			
WNY-218	DW	Х			10/18/17	0829	1	Х		7	.99	2.6	23.5			
Possible Hazard Identification [] Hazardou Number of Containers: Sampled		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owne	lazard	dous	Printed Name/Aff	THE RESERVE THE PROPERTY OF THE PARTY OF THE	mple l		sition [X]	Dispo			[] Return	[] A	rchive	
Cooler Number:	1	griatu	10)	_		clarathre	1763	FE ROLFEST STUDIES		305		ived By (sig)	Printed Name/Affili	1111
Temp upon receipt(°C): D, 7 C Refinquis	hed B	y (sig	natur	e)	Printed Name/Aff		1+1-3	-	/Time		Rece	ived By (sig		5	Printed Name/Affili	
Sample Received on Ice er																
efrigerated from Client: Yes // No Relinquished By (signature) Printed Name/Affiliation			Date	/Time		Rece	ived for Lal	b By (signat	ture)	Printed Name/Affili	ation					
Radiation Scan Acceptable Yes / No N/A					\A/I IITE	OBICINIAL	AD		LOW DE	OFIE						
* Please notify lab prior to drop off. ** Surcharge May Apply to add'l QC Packages	0)18	117	ample	r cert	WHITE ification ID need	ded for some a	AB gencie	YEL es.	LOW - RE	CEIP	ľ			Pa	ge1 of	<u>1</u> rev.121112

**** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Solid (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)



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October 21, 2017 Report No.: 17J1227

COVER LETTER

Kosala De Silva Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

RE: WNY

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 10/20/2017 12:20.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

		10/21/2017
Final report reviewed by:	DRAFT REPORT/DATA SUBJECT TO CHANGE	Report issue date

 $All \ samples \ received \ in \ proper \ condition \ and \ results \ conform \ to \ ISO \ 17025 \ and \ TNI \ NELAC \ standards \ unless \ otherwise \ noted.$

If we have not met or exceeded your expectations, please contact DRAFT REPORT/DATA SUBJECT TO CHANGE at 410-633-1800. You may also contact Trevor Boyce, President at trevor.boyce@microbac.com. Any complaint about the quality of reported results may be referred to the accrediting authority if such complaints cannot be resolved directly with the customer.



Baltimore Division

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Туре	Date Sampled	Date Received
WNY-166	17J1227-01	Drinking Water	Grab	10/20/2017 08:48	10/20/2017 12:20
WNY-184-UR166	17J1227-02	Drinking Water	Grab	10/20/2017 08:21	10/20/2017 12:20
WNY-211-DR166	17J1227-03	Drinking Water	Grab	10/20/2017 09:50	10/20/2017 12:20
WNY-218	17J1227-04	Drinking Water	Grab	10/20/2017 09:25	10/20/2017 12:20
WNY-405-UR218	17J1227-05	Drinking Water	Grab	10/20/2017 10:25	10/20/2017 12:20
WNY-212-DR218	17J1227-06	Drinking Water	Grab	10/20/2017 10:50	10/20/2017 12:20

DRAFT REPORT



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Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

WNY-166

17J1227-01 (Drinking Water) Sampled: 10/20/2017 08:48; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.90	Flow (g/min):	NA	Res. C	Cl (mg/L):	3.1	GW Elev.(ft): NA	
Temp. (C):	21.4	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient T	emp. (°C):	NA
				Microba	ıc Laboratori	es, Inc I	Baltimore				
Microbiology											
Coliform, Tota	al	Ī	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-18	3
E. Coli		I	Negative		per 100ml	1.0	102017 1402	102117 1015	BJP	SM 9223B Colilert-18	3



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

WNY-184-UR166

17J1227-02 (Drinking Water) Sampled: 10/20/2017 08:21; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.90	Flow (g/min):	NA	Res. C	Cl (mg/L):	0.12	GW Elev.(f	ft): NA	
Temp. (C):	22.0	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinit	ty (ppt):	NA	Ambient To	emp. (°C):	NA
	Microbac Laboratories, Inc Baltimore										
Microbiology											
Coliform, Tota	ત્રી	Ī	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8
E. Coli		I	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8

DRAFT REPORT



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

WNY-211-DR166

17J1227-03 (Drinking Water) Sampled: 10/20/2017 09:50; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis	<u>i</u>										
Analyst:	NA	pH:	7.93	Flow (g/min):	NA	Res. C	Cl (mg/L):	3.1	GW Elev.(ft): NA	
Temp. (C):	21.8	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient T	emp. (°C):	NA
				Microba	ac Laboratori	es, Inc I	Baltimore				
Microbiology											
Coliform, Tot	al	1	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8
E. Coli]	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-13	8



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

WNY-218

17J1227-04 (Drinking Water) Sampled: 10/20/2017 09:25; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.97	Flow (g/min):	NA	Res. C	Cl (mg/L):	3.0	GW Elev.(ft	t): NA	
Temp. (C):	23.2	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salini	ty (ppt):	NA	Ambient Te	mp. (°C):	NA
				Microba	ıc Laboratori	es, Inc F	Baltimore				
Microbiology											
Coliform, Tota	ત્રી	I	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8
E. Coli		1	Negative		per 100ml	1.0	102017 1402	102117 1015	BJP	SM 9223B Colilert-1	8

DRAFT REPORT



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

WNY-405-UR218

17J1227-05 (Drinking Water) Sampled: 10/20/2017 10:25; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.96	Flow (g/min):	NA	Res. C	l (mg/L):	3.2	GW Elev.(f	t): NA	
Temp. (C):	22.0	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinit	y (ppt):	NA	Ambient To	emp. (°C):	NA
	Microbac Laboratories, Inc Baltimore										
Microbiology											
Coliform, Tota	al	1	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8
E. Coli		1	Negative		per 100ml	1.0	102017 1402	102117 1015	BJP	SM 9223B Colilert-1	8

DRAFT REPORT



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: WNY
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17J1227

Reported: 10/21/2017 17:32

WNY-212-DR218

17J1227-06 (Drinking Water) Sampled: 10/20/2017 10:50; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis											
Analyst:	NA	pH:	7.90	Flow (g/min):	NA	Res. C	Cl (mg/L):	2.8	GW Elev.(ft): NA	
Temp. (C):	21.8	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinit	ty (ppt):	NA	Ambient T	emp. (°C):	NA
	Microbac Laboratories, Inc Baltimore										
Microbiology											
Coliform, Tota	ıl	I	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8
E. Coli		I	Negative		per 100ml	1.0	102017 1402	102117 1015	ВЈР	SM 9223B Colilert-1	8
,	11		O		•					SM 9223B Colilert-1	8

DRAFT REPORT



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc Project: WNY Report: 17J1227
9220 Rumsey Rd., Bay # 5 Project Number: 15-0011-214 Reported: 10/21/2017 17:32
Columbia, MD 21045 Project Manager: Kosala De Silva

Project Requested Certification(s):

A2LA (Biology) Florida - NELAC

State of Maryland (Drinking Water)

Analyte Certification Exception Summary

No certification exceptions

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
Microbac La	boratories, Inc Baltimore		
A2LA1	A2LA (Biology)	410.02	04/30/2019
A2LA2	A2LA (Environmental)	410.01	04/30/2019
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460285	03/14/2018
CPSC	CPSC Testing of Childrens Products and Jewelry	410.01	04/30/2019
Pb	Environmental Lead (ELLAP)	410.01	04/30/2019
FL	Florida - NELAC	E871126	06/30/2018
MD	State of Maryland (Drinking Water)	109	06/30/2018
WV	West Virginia	054	08/31/2018
Microbac La	boratories, Inc Richmond		
VA-R	Commonwealth of Virginia (NELAC) - Richmond	460022	06/14/2018

DRAFT REPORT



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CERTIFICATE OF ANALYSIS

 Inspection Experts, Inc
 Project: WNY
 Report:
 17J1227

 9220 Rumsey Rd., Bay # 5
 Project Number: 15-0011-214
 Reported: 10/21/2017 17:32

9220 Rumsey Rd., Bay # 5 Project Number: 15-0011-214
Columbia, MD 21045 Project Manager: Kosala De Silva

Qualifiers/Notes and Definitions

General Definitions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Baltimore Division

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Phone: 410-633-1800 Fax: 410-633-6553 www.microbac.com

Cooler Receipt Log

Cooler ID: Default Cooler		Cooler Temp: 0.60°C Work Or	der: 17J1227
Custody Seals Intact:	Yes	COC/Containers Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing:	Yes
COC Present:	Yes	Samples Received in Proper Condition:	Yes

Comments:

Instructions for completing the Chain of Custody Record on back.

Microbac Laboratories Inc., Baltimore Division 2101 Van Deman St, Baltimore, MD 21224 (MICROBAC.

Tel: 410-633-1800

www.microbac.com

Chain of Custody Record

	700	177
Je 1 of 1	1	2
Page		

Customer	Project Inform	in the second se			177 -
	רוטלפרו	IIIOIIIIacion	Turn Around Time	Compliance	1
Name: Inspection Experts Inc.	Name:	be: WNY	Standard \(\text{RUSH*} \)	Sampliance	
ddress: 9220 Rumsey Road, Bay #5	Number:	er. 15-0011-223			
Columbia, MD 21045	ď	PO:		Agenay	
Contact	Composition of the control of the co				

	27	J12:	17					
O Level IV** 	O Level IV**	C Level III**	Level I	C Pacakge		Heriay.		Vac O
(C) stuteradm						965)	
Analysis (اسالایات) اکا اهاد	nalysis							RUSH*
Requested Analysis	Requested A		1		- Constitution		, and	Standard
smb ws Jdl			Fmail		T tong		Needed By	Star
o. of Containers C/EC P/A SM 9223B	H		Τ					
betoelloO emi			41	athne			33	
Date Collected		Cert ID:*** 0697GK	240-252-0841	Name: Gayan Kawathne			15-0011-223	WNY
bered		1D: ***	Phone:	Vame:	Sampler	PO	Number:	Name:
Somposite		Cert	ď		Sam		N	-
Grab						_	_	_
****xintsM								
Client Sample ID	6.577	Email: kosala@ieinc.net	Number: 410-715-3939	Name: Kosala De Silva	Contact	Columbia, MD 21045	Address: 9220 Rumsey Road, Bay #5	Name: Inspection Experts Inc.

100716-3939	Date Comments Co	Name: Kosala De Silva		_	Sampler					Report	Report Options			☐ QC Pacakge ——	
Sent Day Control of Composite Comments	Phone 240-252-0841	esala De Silva		_	<		Gayan Kawati	hne			0		23.00		
Sample D Water Sample D	Control Nort-Hazardous Nort-Hazard	10-715-3939			ď	.ouot	240-252-0841						1		1
	Devel III Paxendous Nor-Hazardous Nor-			_			100 707 011							C Level II**	7.
Sample ID Samp	Down Non-Hazardous Non-H	cosala@ieinc.net		_	Cert	D.***	0697GK			Ğ. □		7		C Level III**	
	DW X TO/20/17 OG SZ X TO/20 OCOMPension	6.50	H								Requested	nalveie		C Level IV**	- 111
	Matrix**** Composition Matrix*** Composition Matrix** Compositi		*		91		bette	betted	erainers			(7/5	(O°) e		
Sample ID Samp	DW X 10/20/17 O848 1 X T T O9 T O9 T T O9		***xintı	qp	sodw	bered	lloO et	loO əı	oo to			I CI (mj	ıutsıəc	B3P	
DW X 10/20/17 O848 1 X 71-90 3.1 21.4 DW X 10/20/17 O820 X 71-93 3.1 22.0 DW X 10/20/17 O925 1 X 71-91 3.0 23.2 DW X 10/20/17 10/20	DW X 10/20/17 0848 1 X 7-90 3.1 21.4 DW X 10/20/17 0850 X 7-90 0.12 22.0 DW X 10/20/17 0925 1 X 7-93 3.1 21.8 DW X 10/20/17 0925 1 X 7-91 3.0 23.2 DW X 10/20/17 /025 1 X 7-90 2.8 21.8	Client Sample ID	вM	กอ	•၁	Fill	Dat	miT	.oN		Но	sto	ewt	65213	
DW X 10/20/17 0821 1 X X 1.99 0.12 DW X 10/20/17 0925 1 X 1.93 3.1 DW X 10/20/17 1025 1 X 1.93 3.1 DW X 10/20/17 1025 1 X 1.96 3.2 DW X 10/20/17 1025 1 X 1.90 2.8	DW X 10/20/17 0821 1 X X 1-90 0.12 DW X 10/20/17 0925 1 X 1-93 3.1 DW X 10/20/17 0925 1 X 1-93 3.1 DW X 10/20/17 1025 1 X 1-96 3.2 DW X 10/20/17 1025 1 X 1-96 3.2		DW					8480	-	×	1.00	- 6	1 6	Comments	
DW X 10/20/17 0950	DW X 10/20/17 0950 x 7 .93 3.1 DW X 10/20/17 0925 1 x 7 .93 3.1 DW X 10/20/17 10/2	1166	DW	×			10/20/17	0821	-	-			+		
DW X 10/20/17 0925 1 % 7.93 3.1 PW X 10/20/17 10/20 1 % 7.94 3.2 PW X 10/20/17 10/20 1 % 7.90 2.8 PW X 10/20/17 10/20/17 10/20 1 % 7.90 2.8 PW X 10/20/17 10	DW X 10/20/17 0925 1 X 7-93 3.1 DW X 10/20/17 1025 1 X 7-97 3.0 DW X 10/20/17 1025 1 X 7-90 3.2 DW X 10/20/17 10/20/17 10/20 1 X 7-90 2.8 DW X 10/20/17 10/2	166	DW	×			10/20/17	0000	4	+	2 .	- 1	22.0		
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1 Return	ature)	11/1	Bosoling But	sectived by (signature)		Received for Lab By (signature)		
Sample Disposition [X] Dispose as appropriate [Date/Time	TES 10/20/17 122	Date/Time		Date/Time		Tairord WOLISY B	encies.
[] Radioactive Sar	Printed Name/Affiliation	Gayan Kolarethy IES 10/20/17	Printed Name/Affiliation	Marie Sallacono e Milio - Navascono managemento de la compansión de la com	Printed Name/Affiliation		WHITE - ORIGINAL 1 AB	*** Sampler certification ID needed for some agencies.
nazardous Non-Hazardous	Sampled By (signature)	The	Relinquished By (signature)	,	Relinquished By (signature)			
Cation	various of containers:		remp upon receipt(°C): (, (o	Sample Received on Ice or	Retrigerated from Client: (Yes) / No	9	* Please notify lab prior to drop off.	** Surcharge May Apply to add'l QC Packages

**** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Solid (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WM), Other (specify) *** Sampler certification ID needed for some agencies. ** Surcharge May Apply to add'l QC Packages

Page

(MICROBAC.

Microbac Laboratories Inc., Baltimore Division

2101 Van Deman St, Baltimore, MD 21224 Tel: 410-633-1800

Chain of Custody Record

750201 17J1227 Comments 10/20/1701/254 12600 Level III** Level IV** ○ Level II** QC Pacakge Level I ટ B3P 0 0 Compliance Yes Agenoy 22.0 21.8 21.4 22.0 23.2 20.00 Received By (signature) Receiyed By (signature) Temperature (°C) 3.3 Dispose as appropriate 0.12 60 3.0 3 3.1 RUSH* Requested Analysis (J\gm) ID Isto] 93 96. 9 1.90 2.90 19.6 0 Hd Turn Around Time -Standard Г Report Options Needed By Email EDD Sample Disposition [X Fax TEI 10/20/17 × JOH SIMB WS • 5 IC/EC P/A SM 9223B × × × art, No. of Containers 1050 1025 Gayan Kularithy 0960 0925 8480 1280 Time Collected Gayan Kanathne Printed Name/Affiliat Radioactive 240-252-0841 Number: 15-00*1-223 10/20/17 10/20/17 10/20/17 10/20/17 10/20/17 0/20/17 Date Collected Cert ID: *** 0697GK Project Information Name: WNY Phone: Name: PO. Filtered Sampler -Non-Hazardous ed By (signature) Composite (signature) inww.microbac.com Grab × × \times × M MO MO M M MO Matrix*** Sampled By Hazardous Address: 9220 Rumsey Road, Bay #5 Inspection Experts Inc. Columbia, MD 21045 Client Sample ID kosala@ieinc.net Possible Hazard Identification Temp upon receipt(°C): 0 , Kosala De Silva Number: 410-715-3939 Number of Containers: NNY-184-UR166 NNY-211-DR166 **NNY-405-UR218 ANY-212-DR218** Cooler Number: Name: Name: Contact Email: **NNY-218 NNY-166**

WHITE - ORIGINAL LAB Radiation Scan Acceptable Yes / No Please notify lab prior to drop off

**** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Solid (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify) ** Surcharge May Apply to add" QC Packages

*** Sampler certification ID needed for some agencies.

YELLOW - RECEIP'

rev.121112

o

Printed Name/Affiliation

Received for Lab By (signature)

Date/Time

Printed Name/Affiliation

Relinquished By (signature)

Sample Received on Ice or Refrigerated from Client: (Yes) / No

Instructions for completing the Chain of Custody Record